

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
28 February 2002 (28.02.2002)

PCT

(10) International Publication Number  
WO 02/17639 A3

- (51) International Patent Classification: H04N 7/16 (72) Inventor; and  
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- (21) International Application Number: PCT/US01/26369
- (22) International Filing Date: 21 August 2001 (21.08.2001)
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- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
09/227,063 21 August 2000 (21.08.2000) US  
09/933,927 21 August 2001 (21.08.2001) US
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- (84) Designated States (optional): AR, JP, patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR TELEVISION ENHANCEMENT

## Set Top Box Models

100

Mitsubishi WB-2001  
Philips Magnavox MAT972  
Philips Magnavox MAT976  
RCA RW2110  
Sony INT-W250  
Sony INT-W200

## HTML Support

HTML 1.0  
HTML 2.0  
HTML 3.2  
Frames Compatibility  
JavaScript 1.2

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## Image Support

GIF89a animation  
JPEG  
Progressive JPEG  
PNG  
TIFF-G3 Fax in Email  
X bitmap  
Macromedia<sup>TM</sup> Flash 1.0  
Macromedia<sup>TM</sup> Flash 2.0  
Macromedia<sup>TM</sup> Flash 3.0  
Transaction

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(57) Abstract: A text based script file describing enhancements is parsed to produce platform dependent enhancement files that may be employed to produce enhancements on a set topbox, enhanced television, or computer display. A script file may be of XML format and a parser may be an XML translator. A parser may import HTML and Javascript from other applications. A parser may support a media player for emulation to view video and enhancements. Trigger data for rendering enhancements may be formatted into a javascript array. Trigger events may be employed to enable graphic pointers or textlines. Multiple parsers, each supporting a specific platform, allow a single script file to be employed across multiple platforms. New platforms or versions of platforms are supported through new or updated parsers.



patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:  
30 May 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**Published:**

- with international search report
- before the expiration of the time limits for amending the claims and to be republished in the event of receipt of amendments

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 01/26369

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of any relevant passages	Relevant to claim No.
X	LI Q : OZSOYUGLU Z M ; WAGNER R ; KAMBAYASHI Y ; ZHANG Y : " XML based text TV" PROCEEDINGS OF WISE 2000, 19 - 21 June 2000, pages 109-113, XP002192977 Hong Kong, China	1-7,9, 11-15, 17,18, 20,22,24
Y	page 110, left-hand column, paragraph 3 page 111, left-hand column, paragraph 1 -page 113, left-hand column, paragraph 6 --- -/-	8,16,19, 21,23

☒ Further documents are listed in the continuation of box C.☐ Patent family members are listed in annex

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- \*C\* earlier document but published on or after the international filing date
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\*N\* document number of the same patent family

Date of the actual completion of the international search

13 March 2002

Date of mailing of the international search report

26/03/2002

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 01/26369

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FERNANDEZ PANADERO M C ET AL: "Mass-customizing electronic journals" ONLINE!, 10 May 1999 (1999-05-10), pages 225-235, XP002177409	16,19,23
A	page 227, paragraph 3 page 229, paragraph 3 - paragraph 4 page 233, paragraph 3 - paragraph 4	2
Y	US 5 951 639 A (MACINNIS ALEXANDER G) 14 September 1999 (1999-09-14) column 2, line 26 - line 42	8
Y	JOSE ALVEAR: "REALNETWORKS' REALAUDIO AND REALVIDEO" WEB DEVELOPPER.COM GUIDE TO STREAMING MULTIMEDIA, NEW YORK: JOHN WILEY & SONS, US, 1998, pages 183-202, XP002150113 ISBN: 0-471-24822-3 page 193, paragraph 4 - paragraph 5	21

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/26369

Patent document cited in search report	Publication date	Patent family members	Publication date
US 5951639 A	14-09-1999	AU 1693597 A	02-09-1997
		EP 0880857 A1	02-12-1998
		WO 9730549 A1	21-08-1997